AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning at page 5, line 16, and extending to page 6, line 8, as follows:

Referring to **FIGURE 2**, optical head 20 is mounted at a remote end 26 of housing body 12. Referring to **FIGURE 1**, optical head 20 contains spatially and goniometric registered optical elements. It serves as the collector of directionally configured sequential imagery needed for the high speed and high accuracy solutions. It has, at its most elemental level, widely separated views of at least five directions pointing in five directions. In the illustrated embodiment, optical head 20 includes a nadir optical element 28 focused along axis 14 to create an optical path 30 to a nadir viewing region 32 and at least four earth reference optical elements 34, 36, 38, 40 arranged spatially around axis 14 in a known spatial relationship. Each of four earth reference optical elements 34, 36, 38, 40 are focused in a different direction and angled downwardly at a known angle relative to axis 14 to create optical viewing paths (42, 44, 46, and 48, respectively) to earth reference viewing regions (50, 52, 54, and 56, respectively). The angle of separation about axis 14 between directions is not necessarily precise. It could be 60 or 45 degrees, for example. What is important is that an exact knowledge of the inter-angle of the views is known, as it will be used in the calculations. The optical path can be done by mirrors or Littrow coated prism producing a 60 degree deflection to the nadir. The idea is that a platform motion in any one angular ~~directions,~~ direction will instantly affect the field of view of all other ports in a corresponding manner. As well, a lateral or forward or backward ~~notion~~ motion of the platform with or without any angular displacement will also offer a change of view. Such changes of views from all ports are averaged and produce data relative to the 6 DF of the platform.

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